

Heerhugowaard-South Structures >>>



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project
design artworks
for the self-cleansing
water system of the
recreational area

location
Heerhugowaard-South

designers
Berrie van Elderen
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partners
DRFTWD Office associates (art)
Nelen Schuurmans (watersystem)
Tauw (specifications)

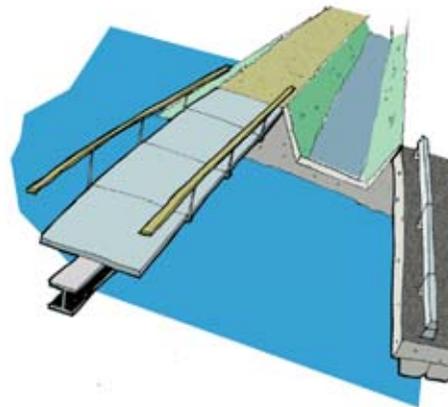
client
Municipality of Heerhugowaard

size
10 structures

year of design
2004

photography
Pieter Kers

< bridge middenweg



Water landscape that can be experienced

Over the course of the years the traditional agrarian polder landscape south of Heerhugowaard has changed into a modern city landscape in which homes, recreation and nature development are closely interwoven.

The Stad van de Zon (the City of the Sun) will be completely surrounded by a 'ring of open water', more than 70 hectares of new water, that will separate the residential area from the surrounding recreational areas and guarantee that a 'large amount of open space' can be experienced in the plan area.

The water is suitable for swimming, the open water can be used by small unmotorised boats, and skating will be possible when the water is frozen over. However, most use of the water will be made on the banks in the recreational area. The recreational area has two sides: the inner side is oriented towards the open water and the Stad van de Zon, the outer side towards the surrounding landscape.



Structures as locations to experience the water purification system

The ambitious water system is unique: it is designed to store a great deal of water and conserve water in the summer. A great deal of attention was devoted to the water quality, accessibility and the ability to experience the system. To this end a number of structures were designed which include a circulation pumping station, a natural purification plant, a dephosphatising pond, a bridge, and a canoe crossing. The structures were designed to ensure that passersby could experience the water to the maximum possible extent. Pursuant to this objective the public can access the roof of the pumping station. This offers a view of the lake. In addition, the pumping station is located in a strategic position close to the entrance to the beach. The inlet of the water purification plant has been raised above water level where it is both visible and audible. In adopting this approach the structures have become part of the large 'water purification machine', form prominent features in the landscape, and serve as locations where the process can be experienced.

< pumping station with viewpoint



dephosphatizing pond

water inlet to the flow labyrinth





bridge Middenweg



handrail bridge Middenweg



NAP designation level in the circulation pumping



bridge Middenweg shock strip



fence viewing platform on pumping station



canoe crossing



the inlet of the natural purification plant

